

Amendments to the Drawings

The attached sheet of drawing 1 includes changes to Figure 4b. Figures 6a and 6b have been deleted. Sheet 1 which includes Figures 4a, 4b, 5a, and 5b, replaces the original sheet including Figures 4a, 4b, 5a and 5b. In Figure 4b, variable N extending from pipeline stage PS to DC has been added. The original sheet including Figures 6a and 6b has been eliminated. Figures 6a and 6b have been deleted and are no longer present in the application.

Attachments: Replacement Sheet 1
Annotated Sheets 1-2 Showing Changes

OPCODE	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
OFFSET	creg	z															ucst3	0	0	0	0	1	0	0	1	0	0	0	s	p			
NAME																																	
WIDTH	3	1																															

FIG. 4a

PIPELINE STAGE	E1	PS	PW	PR	DP	DC	E1
READ	src2						
WRITTEN	PC						
BRANCH TAKEN		N					X
UNIT IN USE	S						

FIG. 4b

PIPELINE STAGE	E1	PS	PW	PR	DP	DC	E1
READ	src2						
WRITTEN	PC						
BRANCH TAKEN		N					X
UNIT IN USE	S2						

FIG. 5b

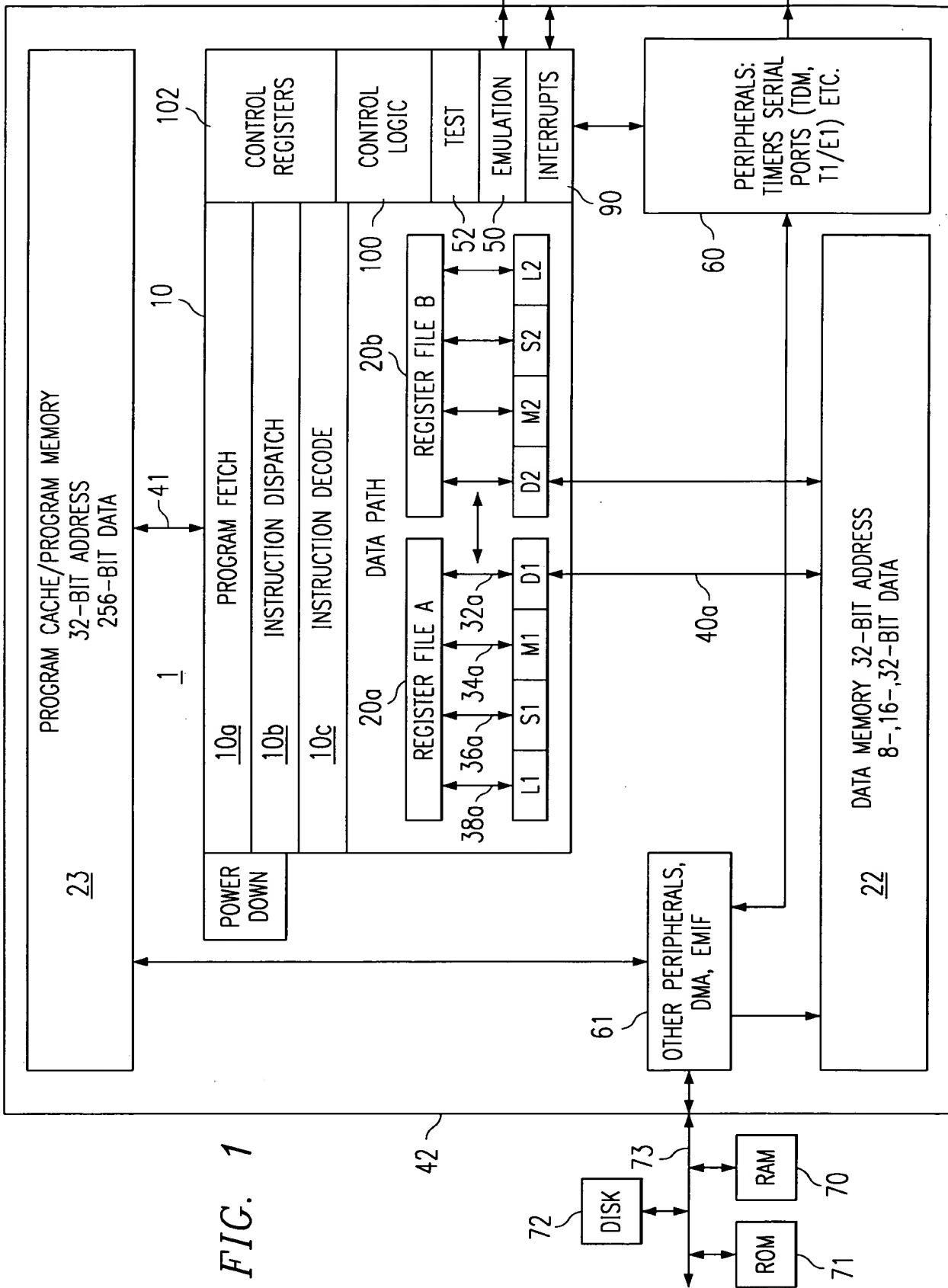
OPCODE	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
OFFSET	creg	z	0	0	0	0	0	1	src2	0	0	ucst3	x	0	0	1	1	0	1	1	0	0	0	1	p							
NAME																																
WIDTH	3	1															5	2	3	1	10	1	1	0	0	0	1	1	1	1	1	1

FIG. 5a



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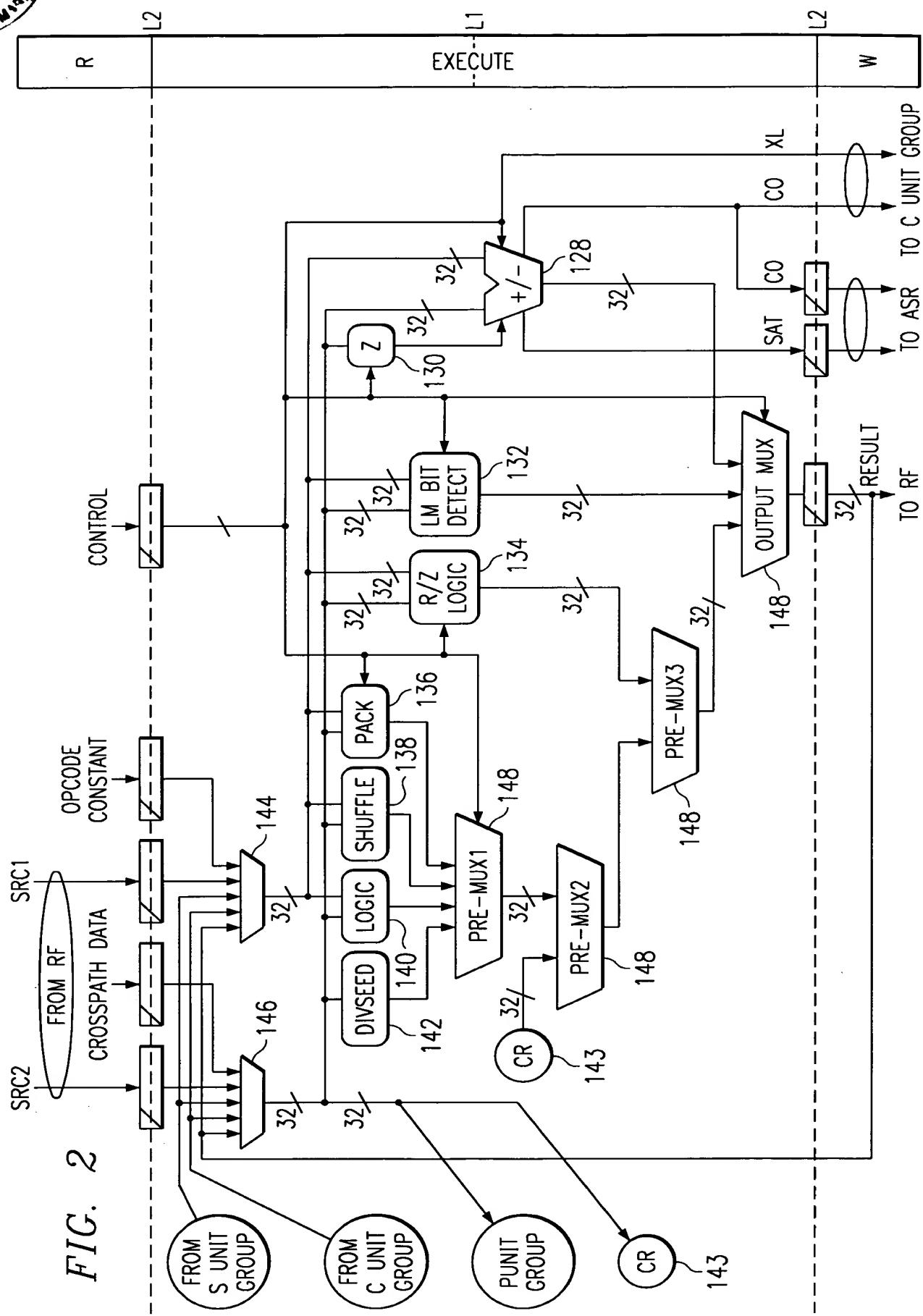
FIG. 1





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FIG. 2



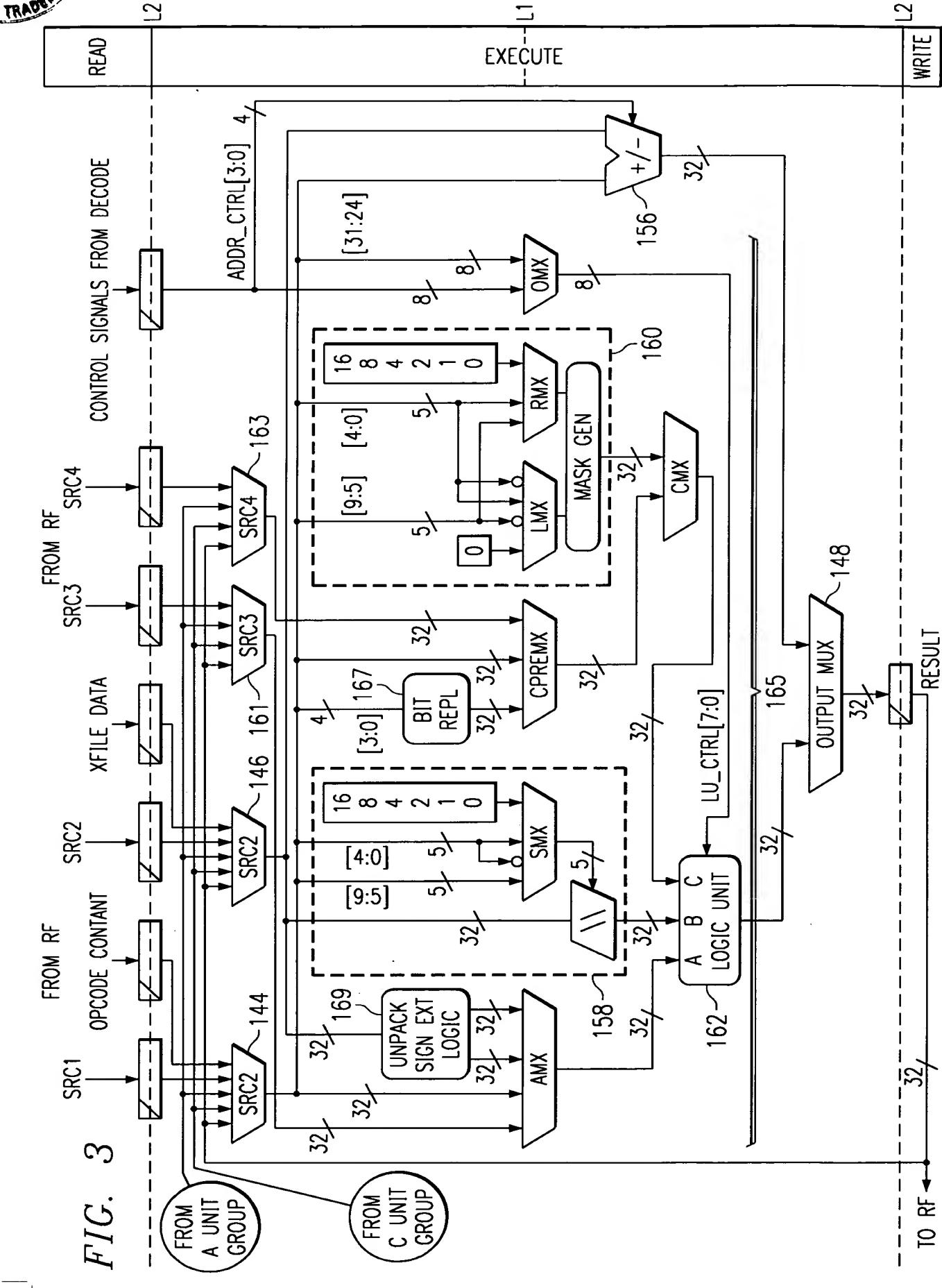




FIG. 4a

PIPELINE STAGE	E1	PS	PW	PR	DP	DC	E1
READ							
WRITTEN							
BRANCH						TAKEN	
UNIT IN USE							S

src2 PC

N

TAKEN S

FIG. 46

PIPELINE STAGE	E1	PS	PW	PR	DP	DC	E1
READ	src2						X
WRITTEN			PC				
BRANCH	TAKEN						
UNIT IN USE						.S2	

FIG. 56

OPCODE

FIG. 5a